

**REMARKS**

Claims 1-30 are pending.

Claims 1-30 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting over claims 1-19 of co-pending application Serial No. 10/005,264. A Terminal Disclaimer is filed with this Response that should obviate this ground of rejection. The fee of \$130.00 is also attached.

Claims 1-30 are rejected under 35 U.S.C. 102(e) as being anticipated by Kim, 6,611,605. The claims each set forth that the leaf spring has a "portion of curvature", referring to independent claims 1, 13 and 22 from which the claim sets 2-12, 14-21 and 23-30 depend. Reference is made to Figs. 5 and 6 of the application which are examples of this feature.

The Kim patent is directed to the feature of having a magnetic field generation, means that generate two different flex patterns to provide two different ringing indications.

In applying the Kim patent, several times referred to by the Examiner as the "Son" patent, reference is made to the leaf spring 30 of Figs. 1-7 of Kim. In each of Figs. 1-3 of Kim, the leaf spring 30 is shown as being flat. There is no mention or suggestion that the springs have "a portion of curvature".

Kim does not even discuss the problem of deformation of the leaf spring 30 when the actuator is dropped. This problem is addressed and solved by the invention of claims 1-30.

The prior art of Kim does not disclose the technical features of the invention which are when the actuator is dropped with the side-surface facing downward, a rotational moment M is generated between the housing 8 and leaf spring 7 along the circumferential direction in spiral shape. The leaf spring portion of curvature opposes the rotational moment M and provides a structure that can prevent deformation of the leaf spring.

Accordingly, claims 1-30 are clearly patentable over the cited art and should be allowed.

The other art cited has been considered and is not deemed pertinent.

Application No.: 10/078,074

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Docket No.: 02598/000K282-US0

In view of the above amendment, applicant believes the pending application is in condition for allowance.

Prompt and favorable action is requested.

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Respectfully submitted,

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